Fig. 1

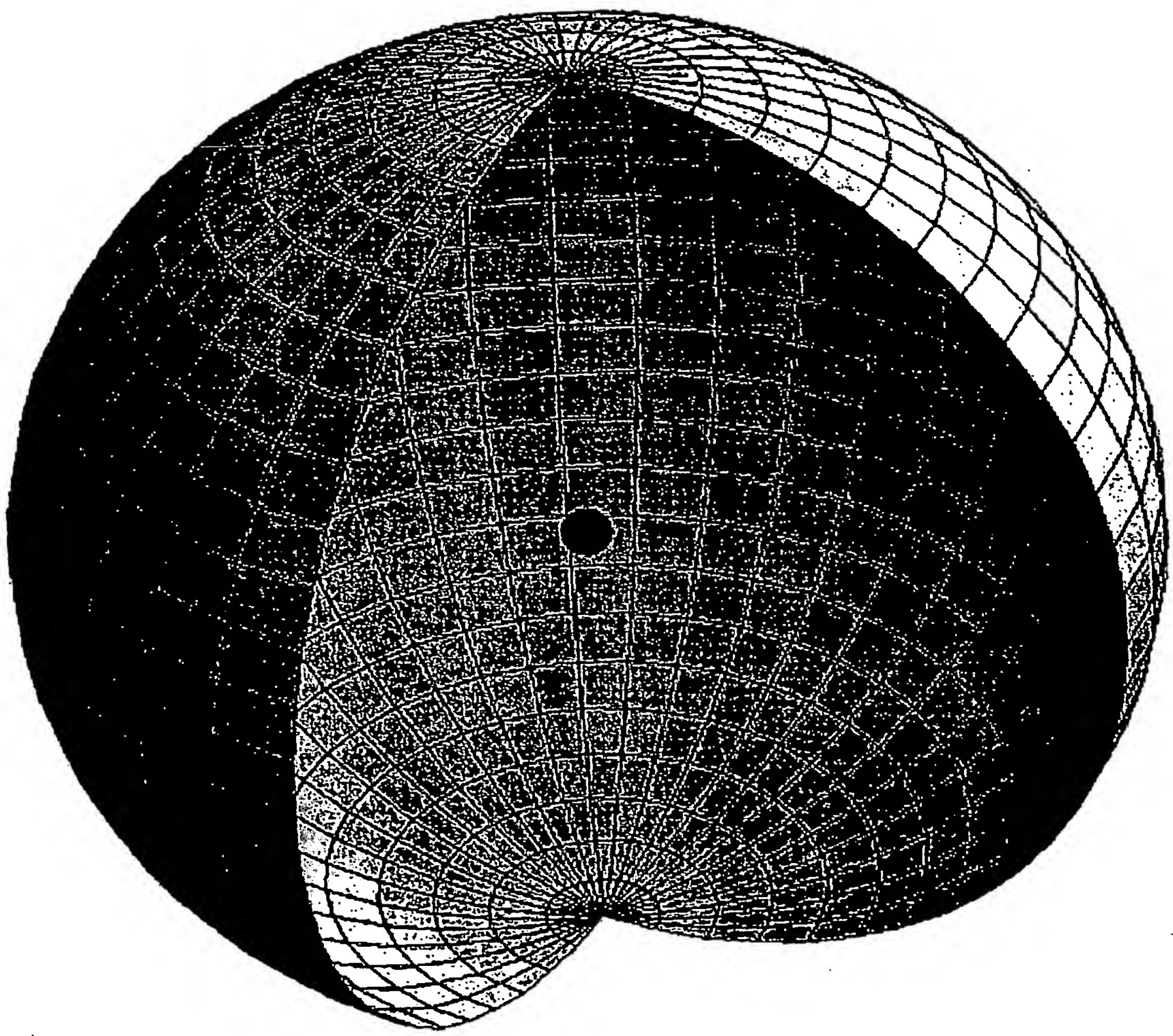


Fig. 2

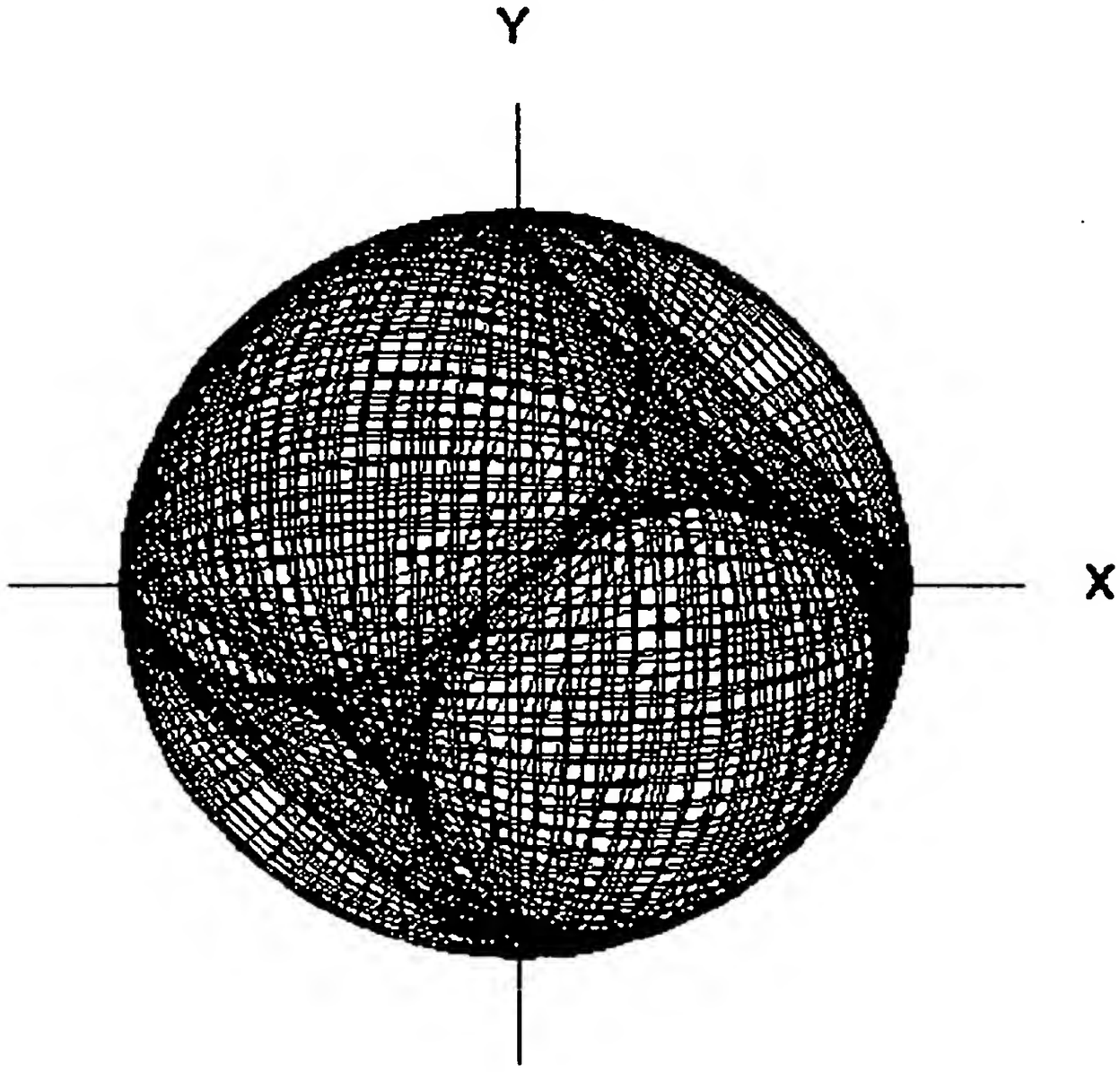
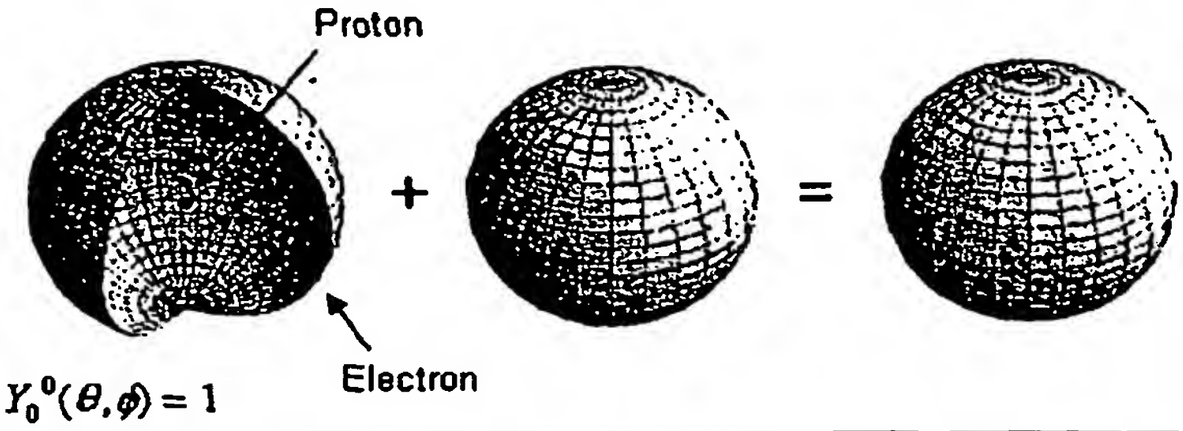
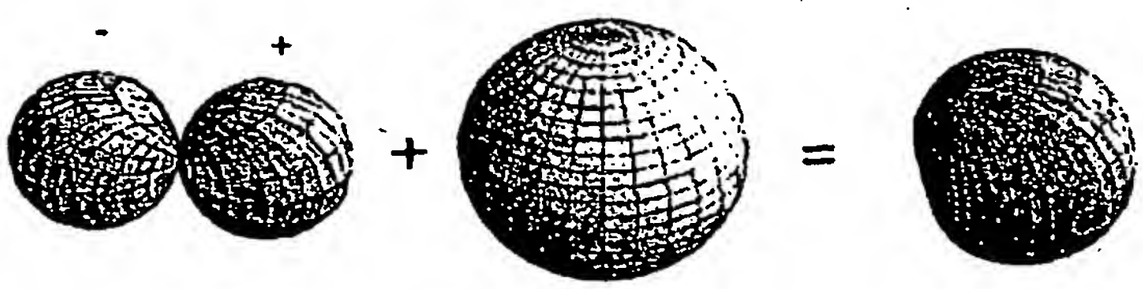
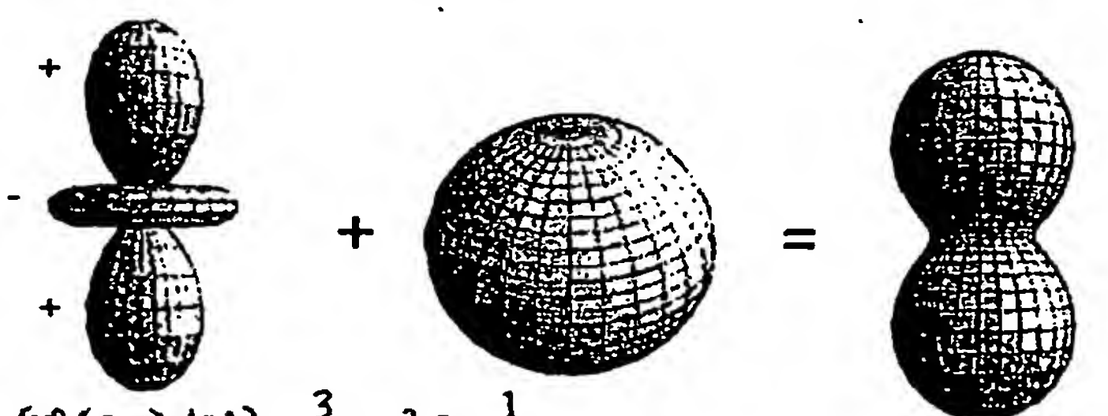
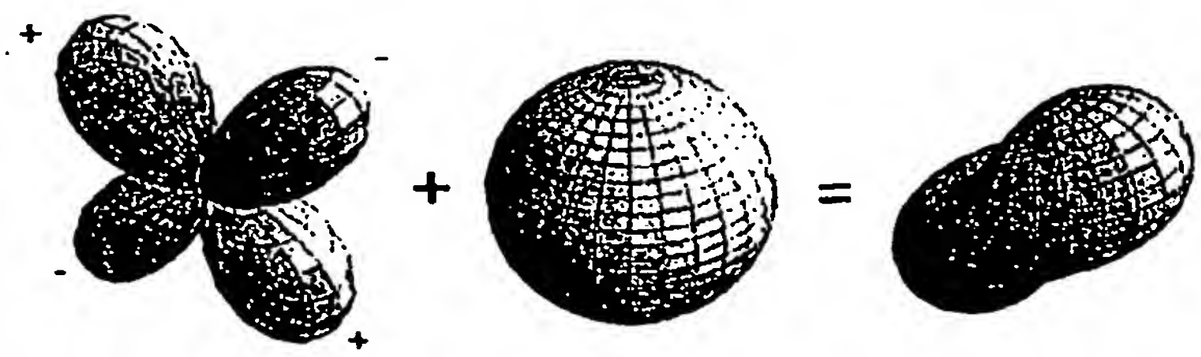


Fig. 3

l, m, t	Modulation Function (Orbital)	Constant Function (Spin)	Spatial Charge Density Function	*Surface* Charge Density Function (Orbitsphere)
0,0,0	 $Y_0^0(\theta,\phi) = 1$			
1,1,0	 $\mathrm{Re}\left\{Y_1^1(\theta,\phi)e^{i\omega_s t}\right\} = \sin\theta\cos\left(\phi+\omega_s t\right)$			
2,0,0	 $\mathrm{Re}\left\{Y_2^0(\theta,\phi)e^{i\omega_s t}\right\} = \frac{3}{2}\cos^2\theta - \frac{1}{2}$			
2,1,0	 $\mathrm{Re}\left\{Y_2^1(\theta,\phi)e^{i\omega_s t}\right\} = \sin\theta\cos\theta\cos\left(\phi+\omega_s t\right)$			

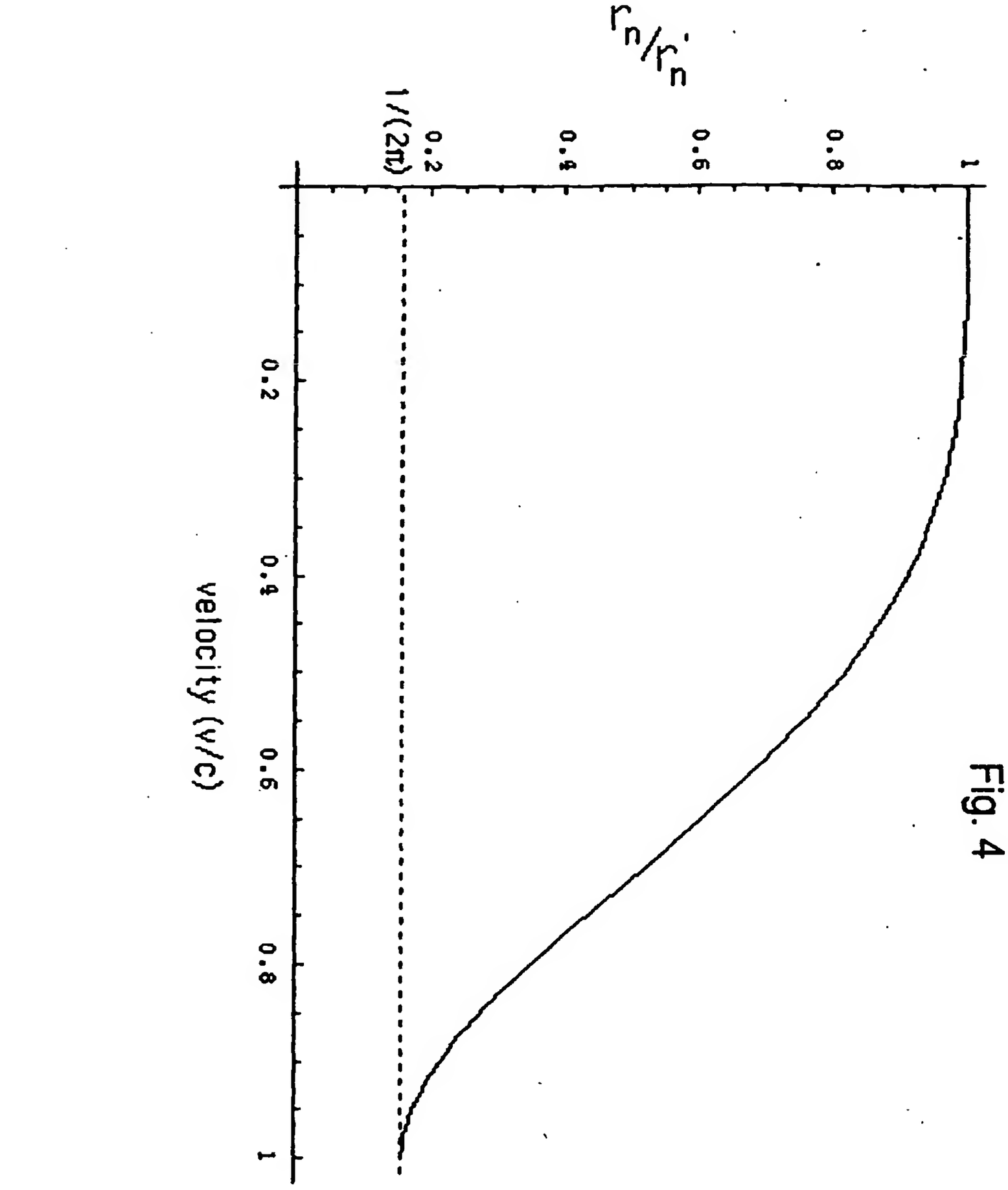


Fig. 4

Fig. 5